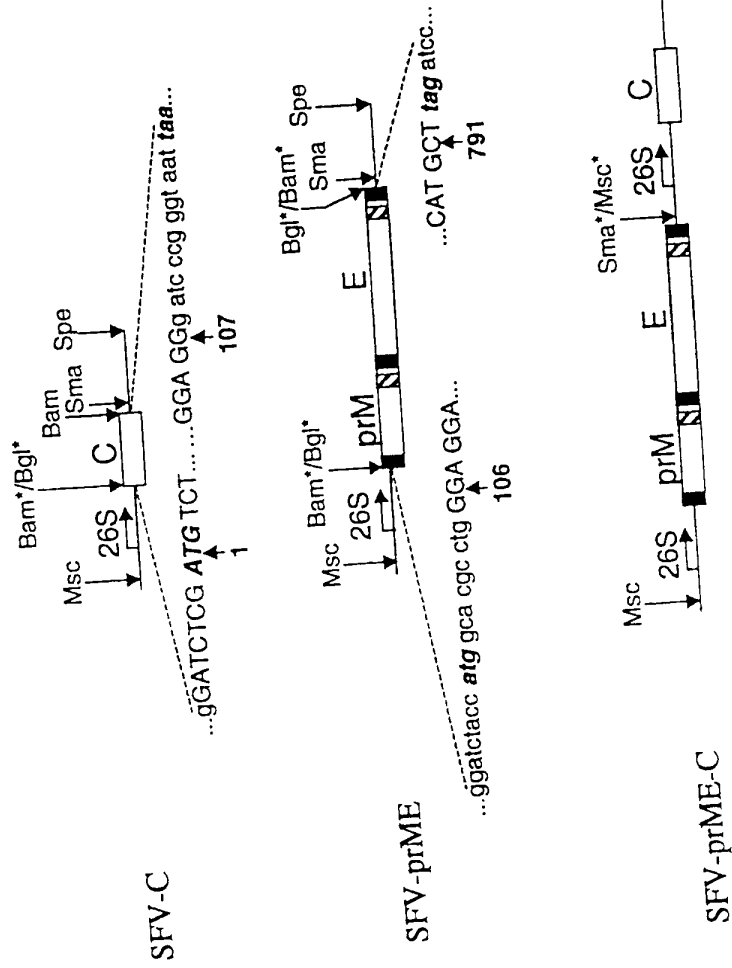
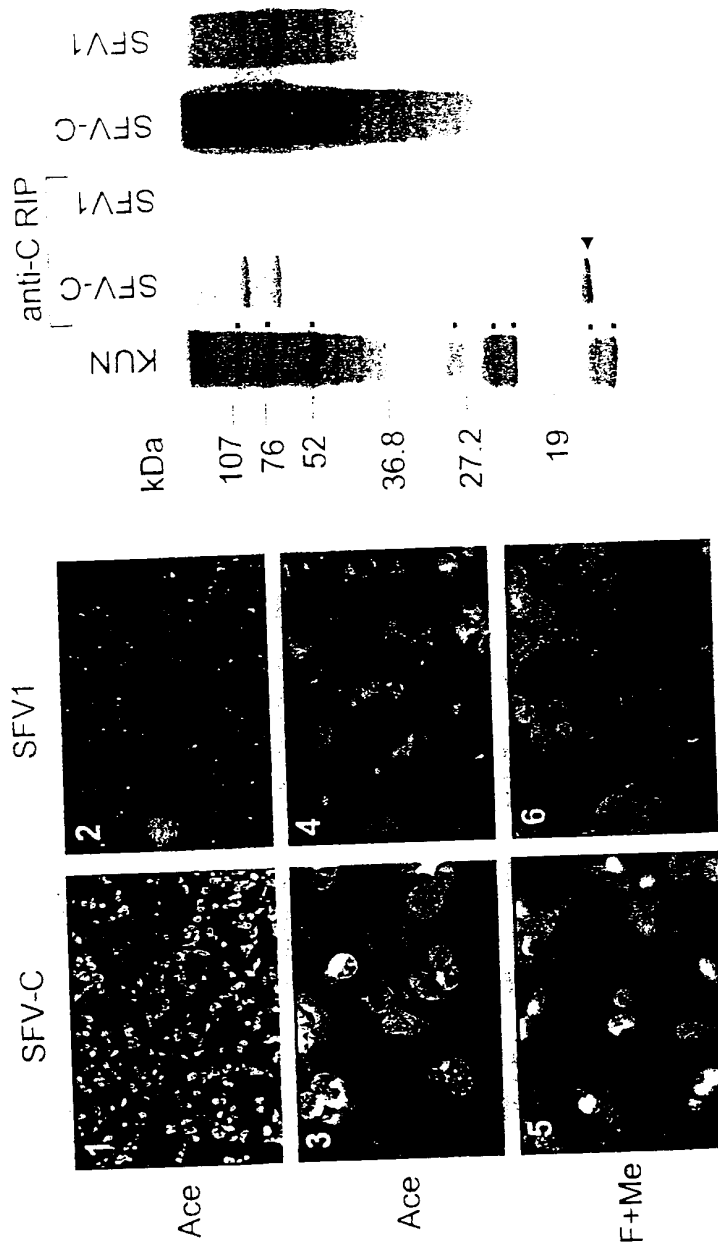


**Fig. 1**

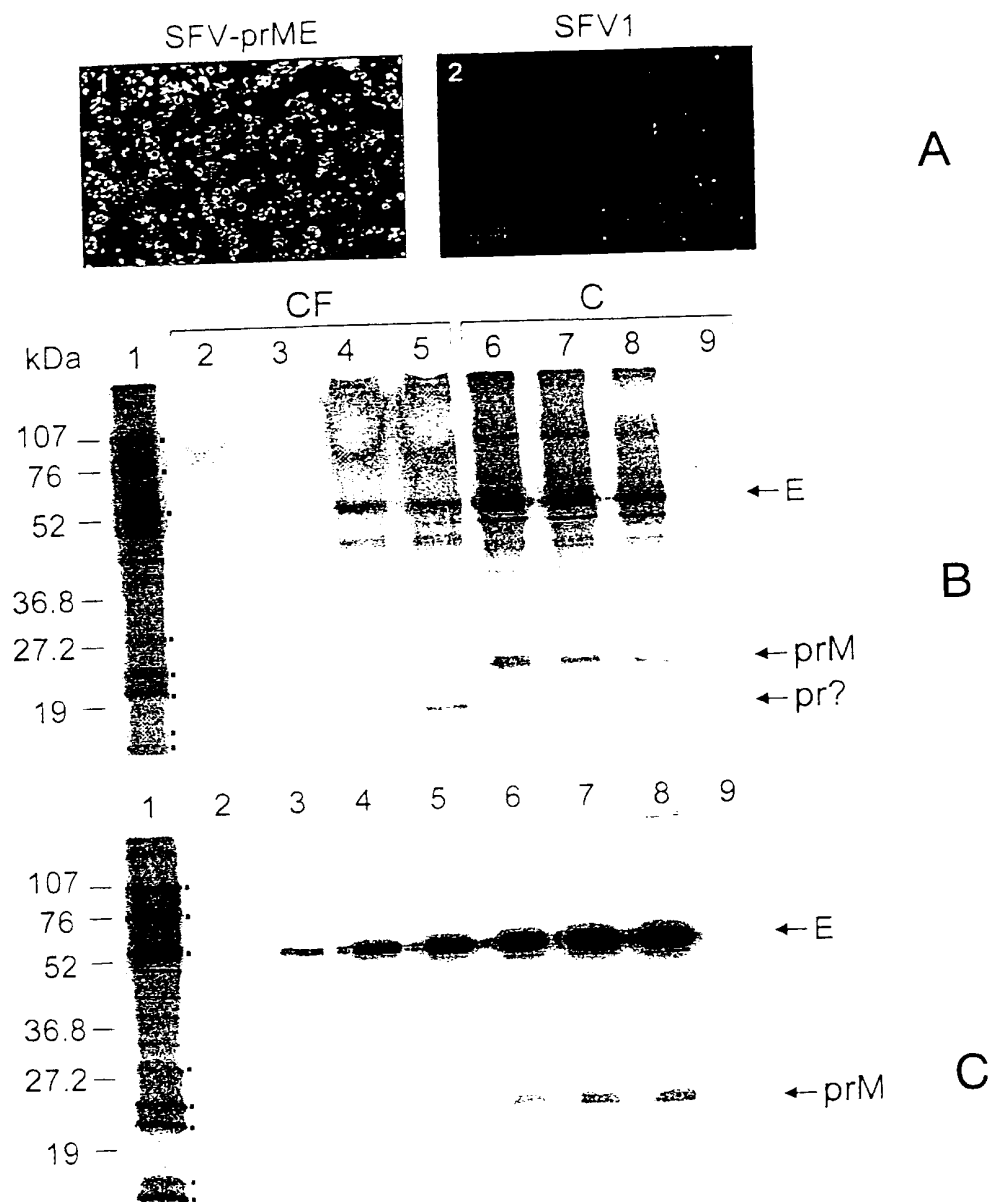


**Fig. 2**

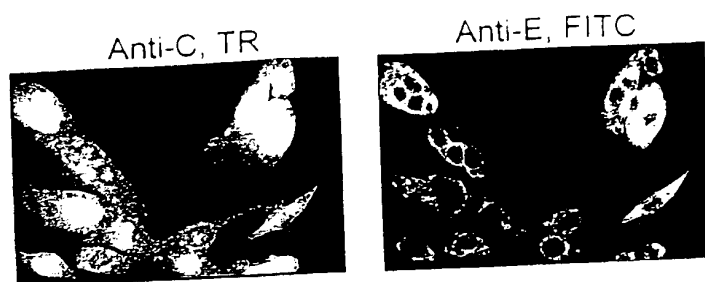


**Fig. 3B**

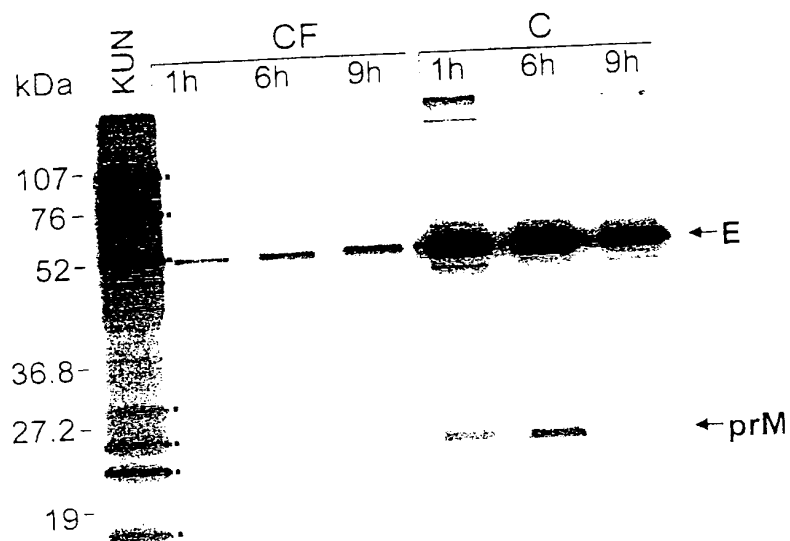
**Fig. 3A**



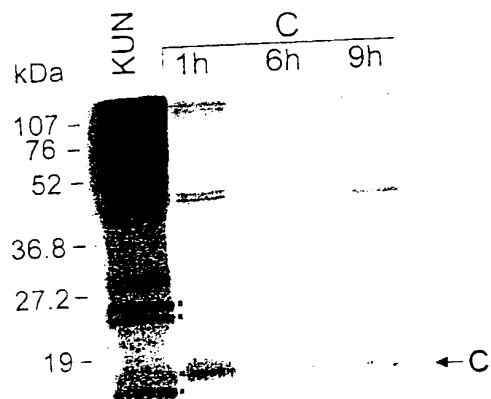
**Fig. 4.**



A



B



C

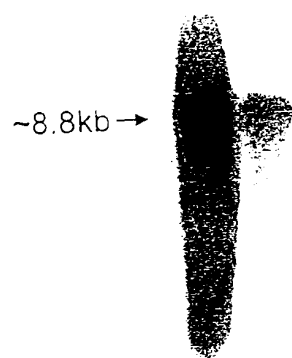
**Fig. 5.**

A

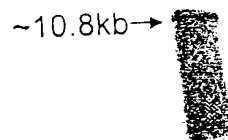


1 2

1 2 3



KUN probe



SFV probe

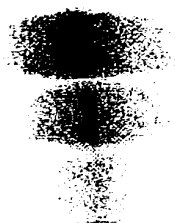
B

C

**Fig. 6.**

B

Time after 2nd  
transfection (h) 24 30 42



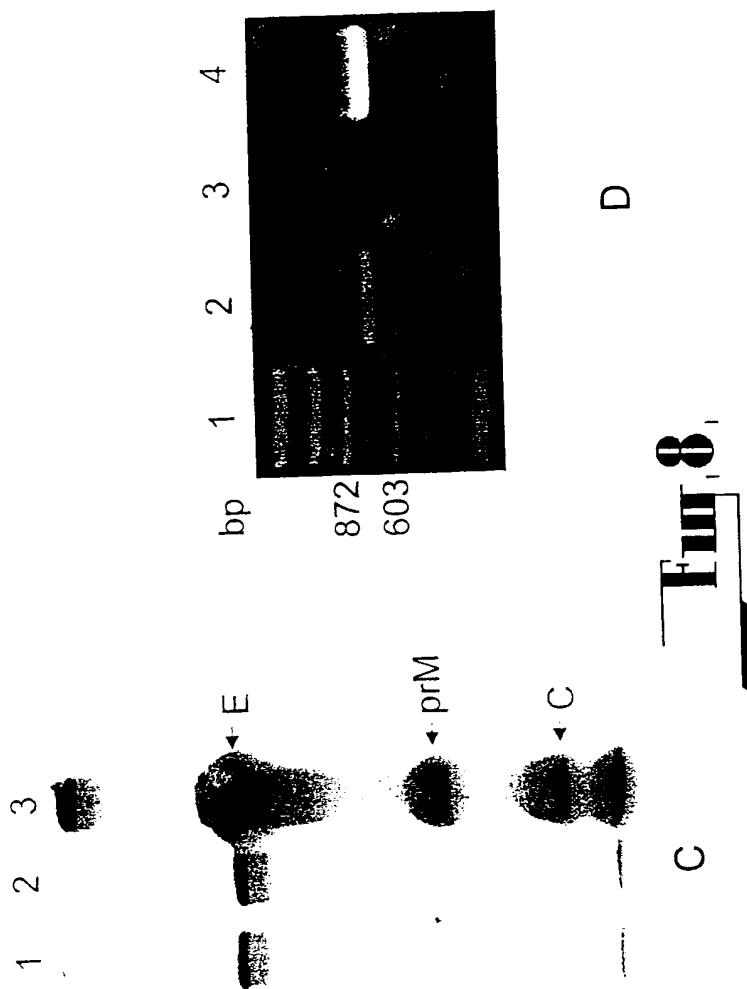
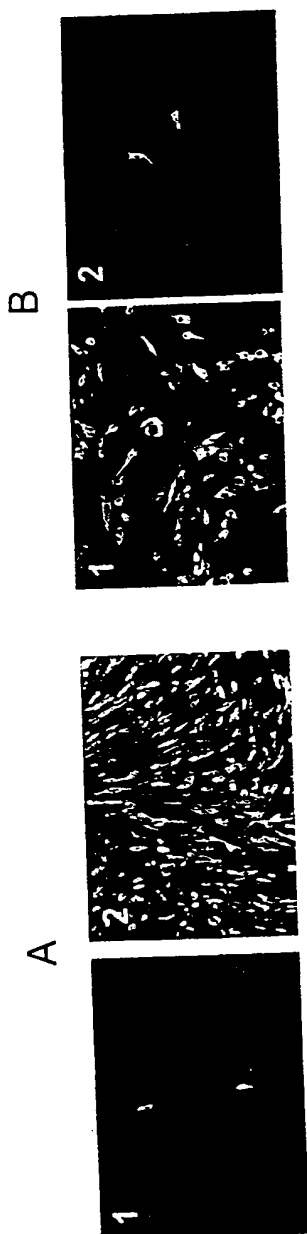
A

Time between  
transfections (h) 12 18 24 30



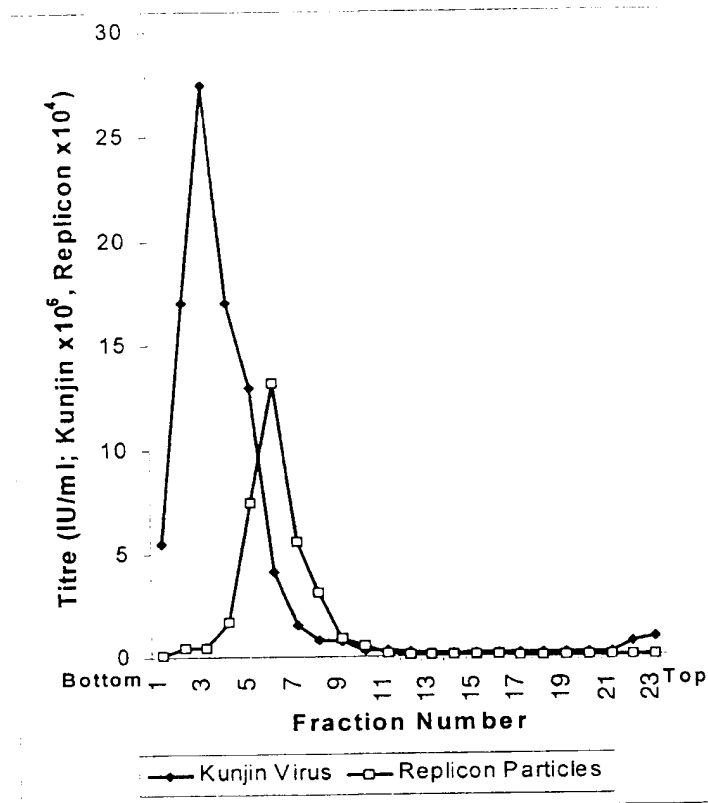
Titer,  $\times 10^6$  0.27 3.8 2.8 1.3  
(IU/2  $\times 10^6$  cells)

**Fig. 7.**



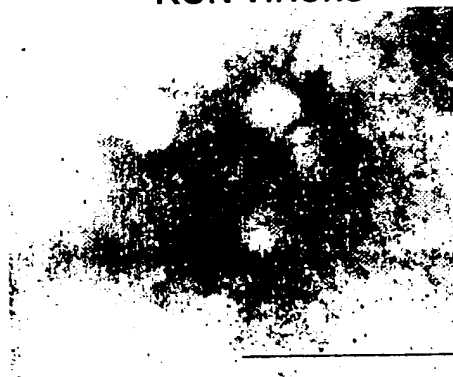


9A



9B

KUN virions



Replicon

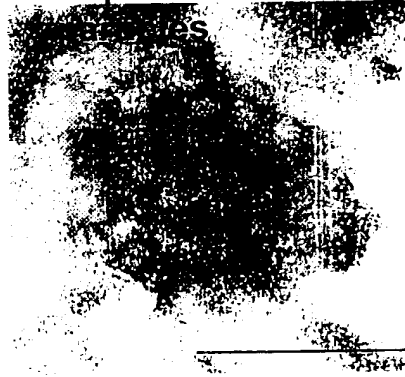


Fig. 9.

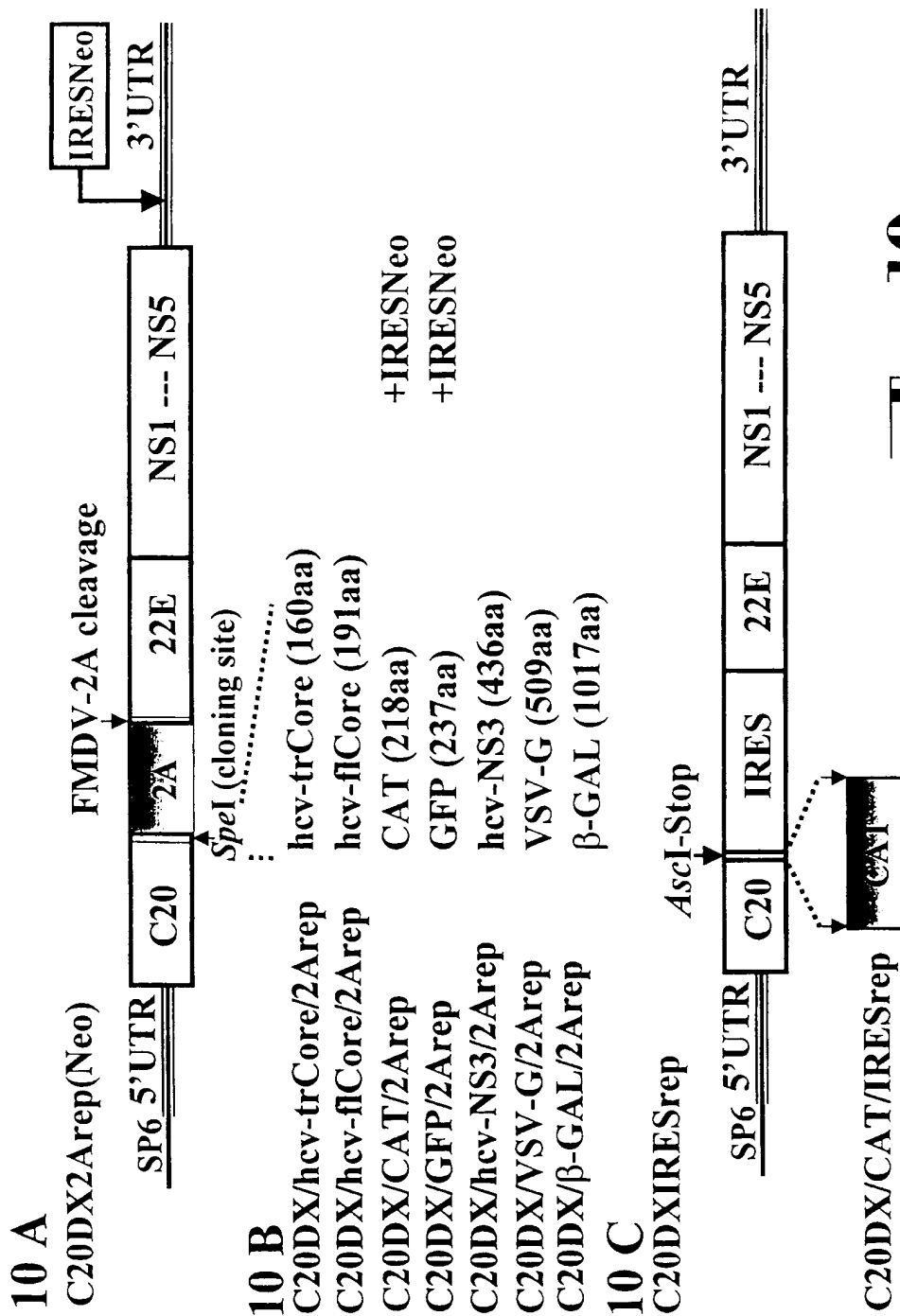
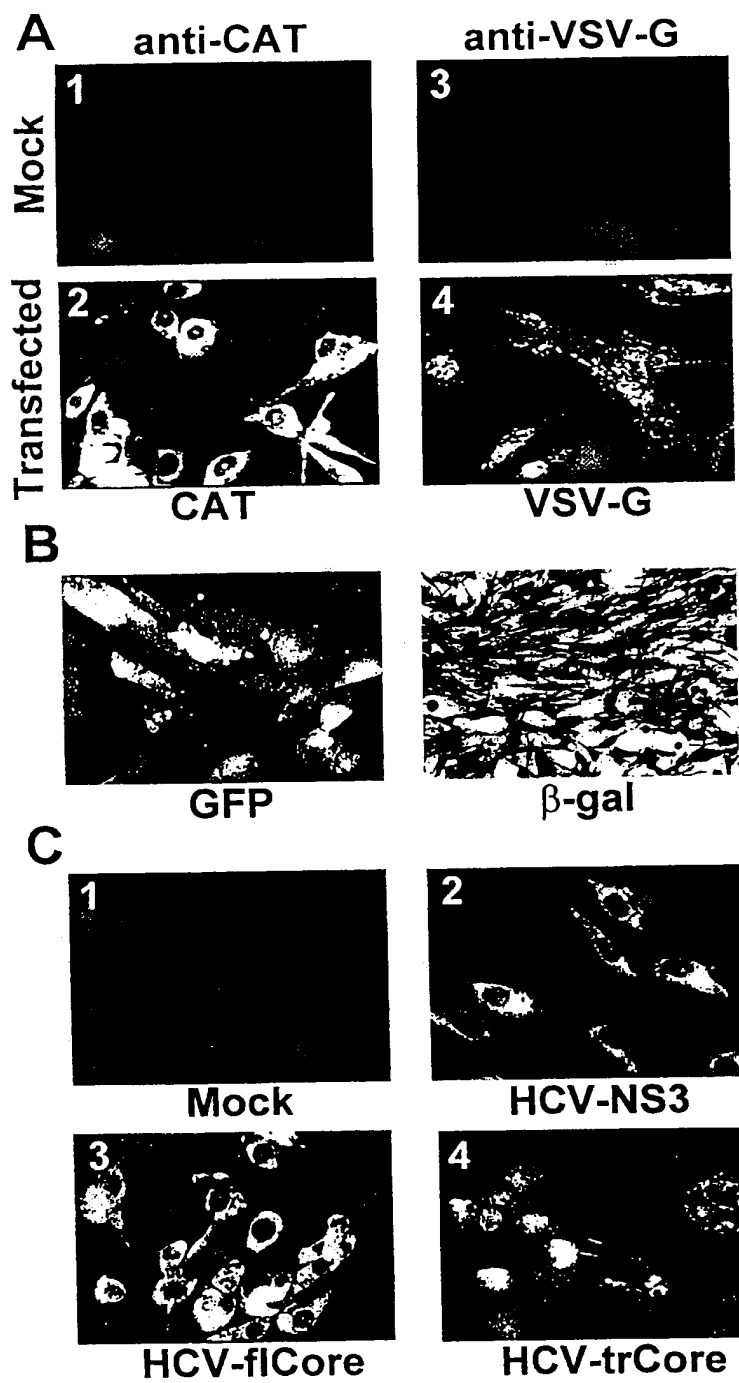
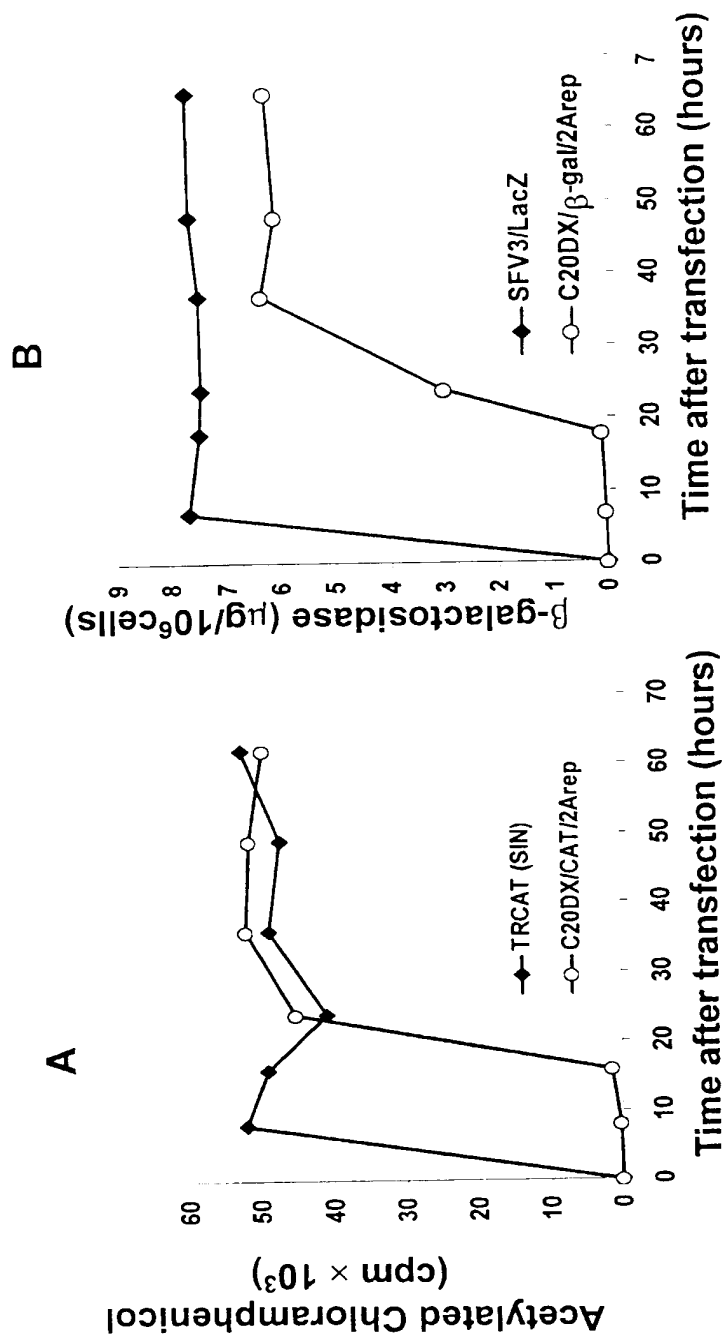
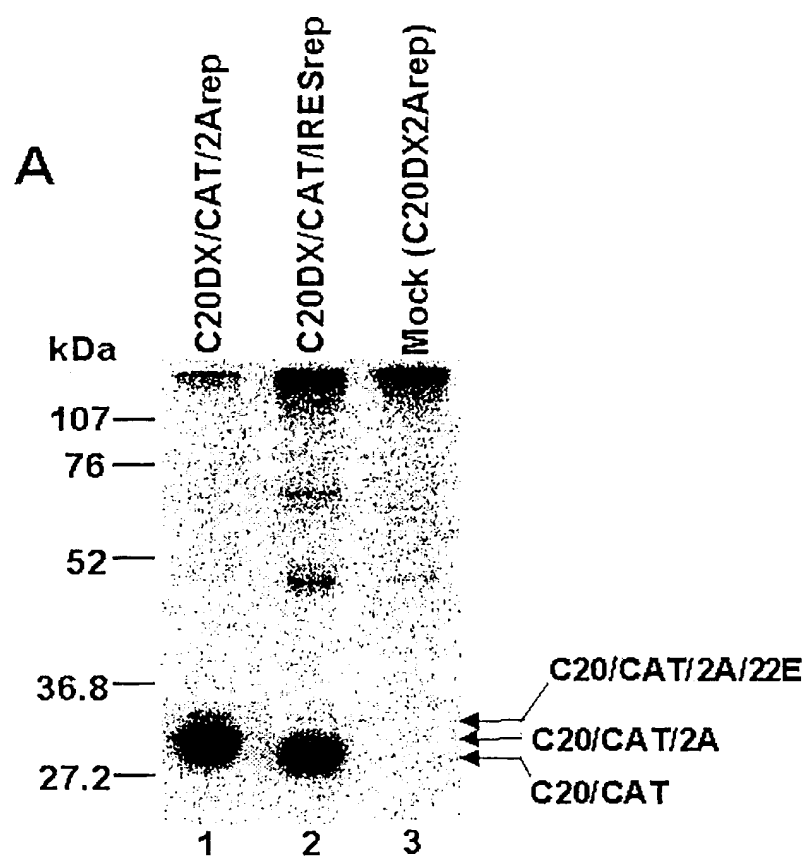


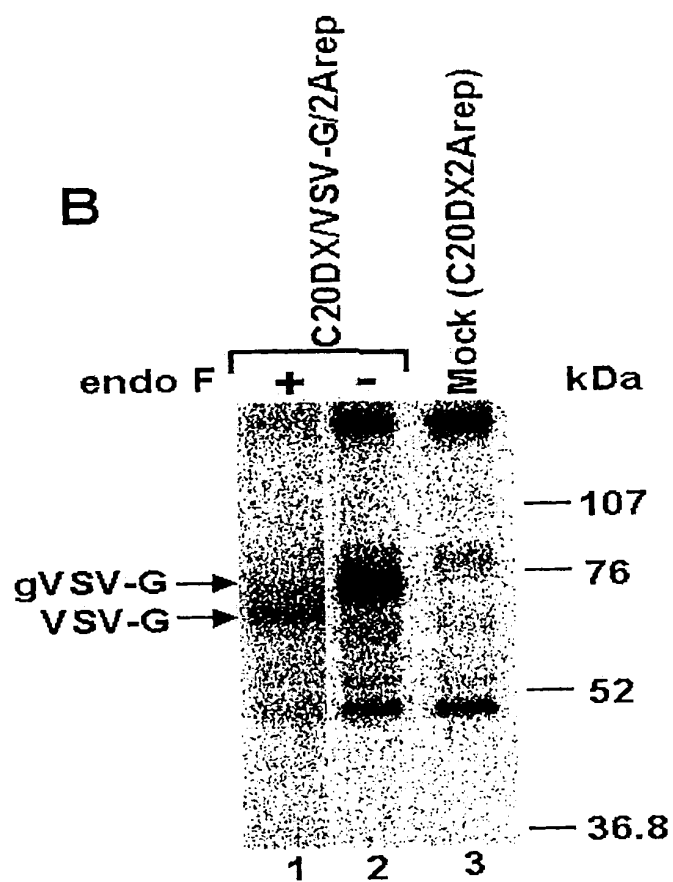
Fig. 10



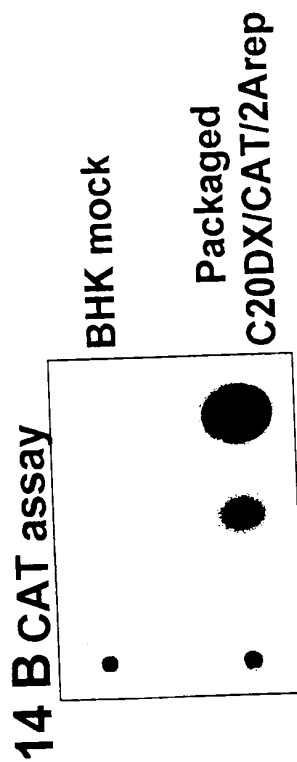
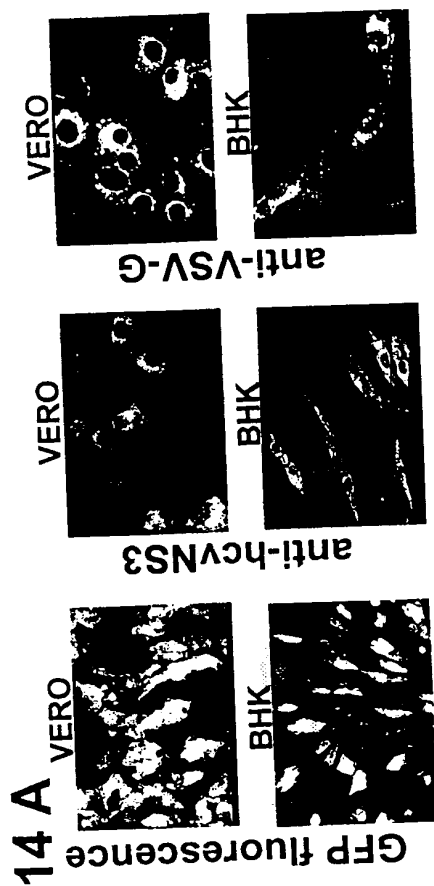




**Fig 13 a.**



**Fig. 13 b.**

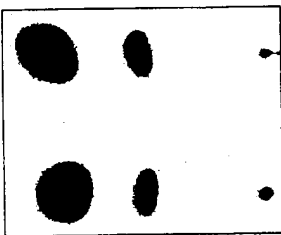


**Fig. 14**

# 15A GFP fluorescence 15 B CAT assay



repGFP-BHK (p5)

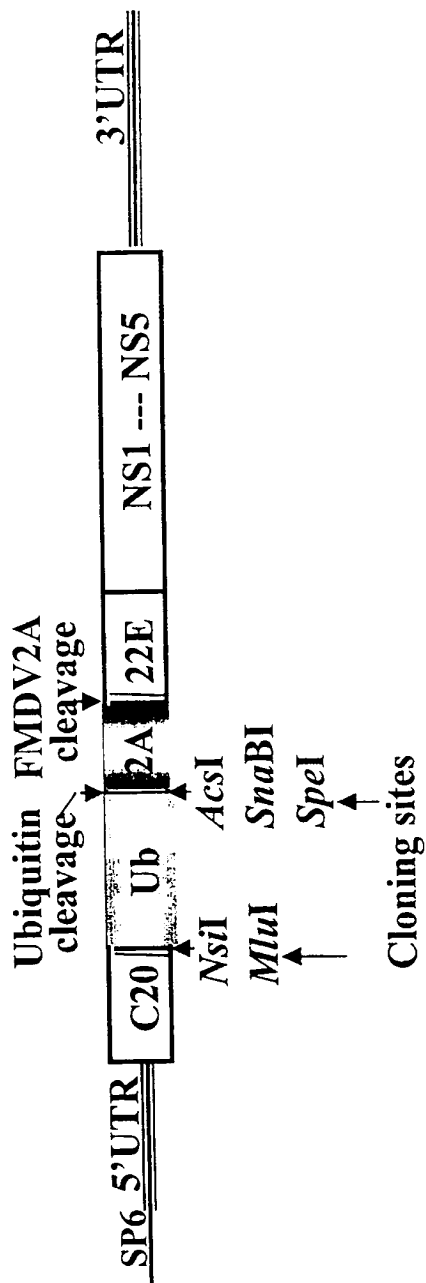


p6 p17  
repCAT-BHK

Fig. 15

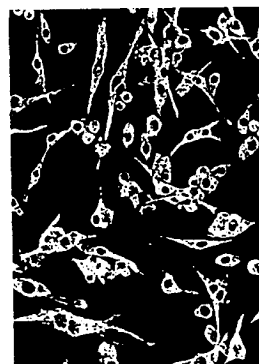


# A C20DXUb2Arep

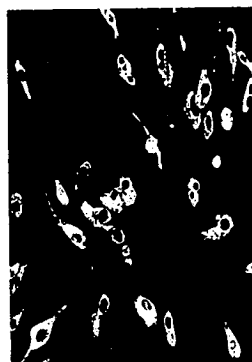


## B

anti-NS3 IF



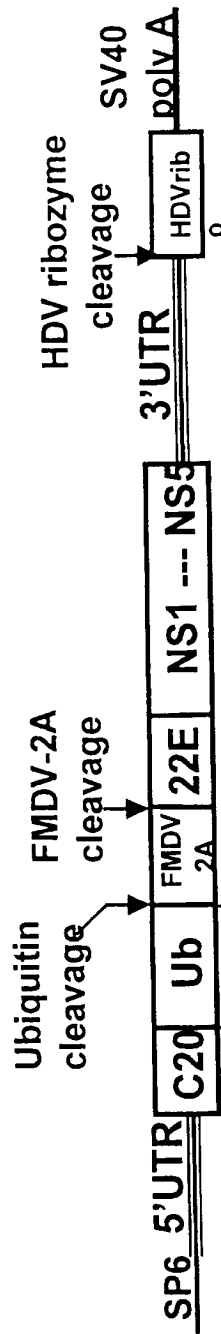
C20DXrep



C20DXUb2Arep

Fig. 16

# A C20DXUb2A\_HDVrep



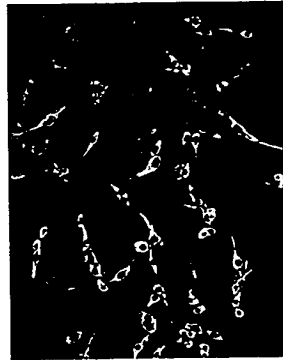
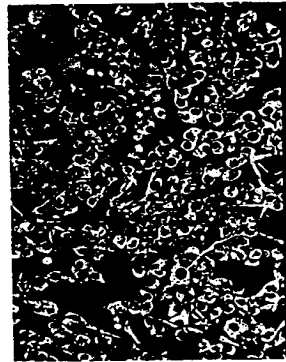
Ubiquitin cleavage  
FMDV-2A cleavage

*NsiI* *Ascl*  
*MluI* *SnaBI*  
*SpeI*

Cloning sites

## B

anti-NS3 IF

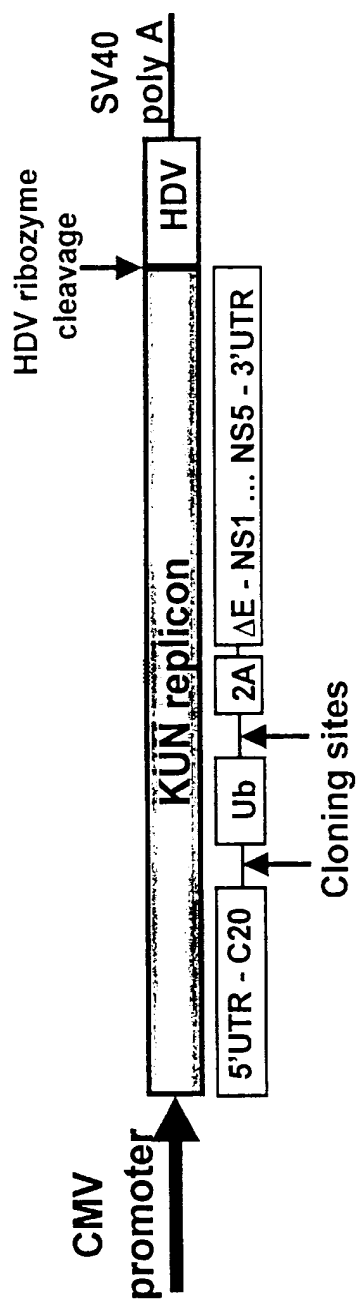


C20DXUb2A\_HDVrep

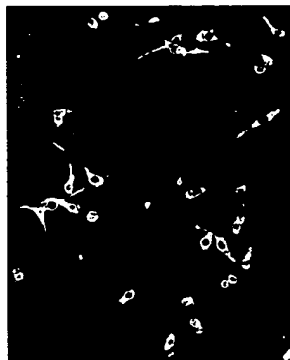
C20DXUb2Arep

Fig. 17

## A pKUNrep1



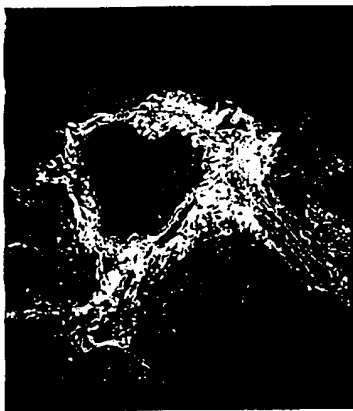
## B anti-NS3 IF



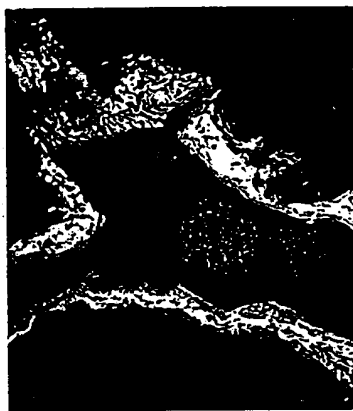
**Fig 18**

Immunized mice  
(days after immunization)

4 days



2 days



Control mouse

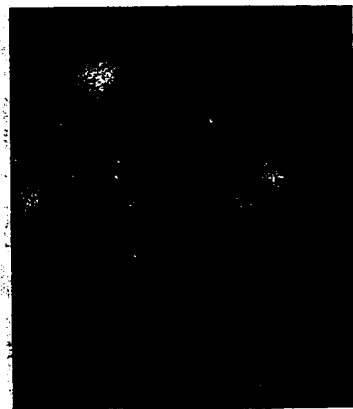


Fig 19